

A SYSTEM AND METHOD FOR ESTABLISHING A CONNECTION BETWEEN WIRELESS DEVICES

Abstract

A system and method according to the present invention allow two or more peer-to-peer wireless devices to automatically connect to each other with no knowledge or pre-configuration of client/server roles. According to a first aspect of the present invention, a wireless device performs inquiries at a random interval, and performs an inquiry scan and a page scan when not performing the inquiries. Upon receiving a first device address in response to one of the inquiries, the wireless device performs a first page using the device address to establish a connection. And upon receiving an inquiry during the inquiry scan, the wireless device responds with a second device address, and if a second page is received during the page scan, establishes a connection.

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